

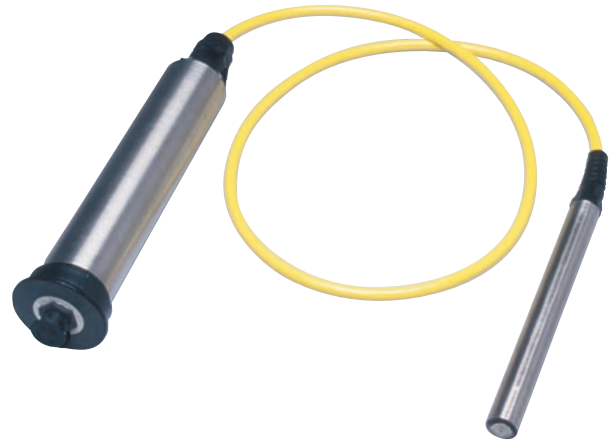
Water Level Loggers

Global WL16 Water Level Data Loggers

The Global Water Level Logger monitors and records water level data. It can record up to 81,759 readings and is programmable from one reading per second to one reading per day. Pressure ranges of 0-3', 0-15', 0-30', 0-60', 0-120', and 0-500' are available. A 25 foot cable is standard, with optional cable lengths to 500 feet available.

FEATURES

- Easily adapted for well-head mounting or other installations.
- Software allows uploading of data into standard spreadsheet format.
- PDA option available for programing and downloading.
- Ideal for monitoring well or surface water applications.
- Real-time readout of current data.
- Reliable and accurate.
- Automatic barometric pressure and temperature compensation.
- Weatherproof cylindrical enclosure.
- Fully encapsulated water level sensor for years of reliable service.
- No need to remove sensor for data collection or battery change. Connection and battery replacement are accessible from surface.
- USB or Serial port connection options.



OPERATION

Select a range to cover maximum water level change, not necessarily the total depth of water. Select the smallest range possible for greater accuracy. Place the Water Level Logger slightly below the lowest expected water level.

The weatherproof cylindrical enclosure is designed to slide into a 2 inch standard ABS or PVC pipe slip coupler.

For well head monitoring, a reducer coupling is available to couple the datalogger to the well head. For monitoring surface water, a protective stilling well can be easily constructed from PVC pipe. The pipe may be attached vertically to a post or on a slant down the bank.

User friendly software and cable are provided with each water level logger. There are 10 menu items that allow you to set the date, time, recording interval, engineering units, collect date, and observe data. Tabular files may be printed or data presented by all standard spreadsheets.



Global WL16 PDA Package
Includes PDA, field cable, and rugged carrying case

CALL GEOTECH TODAY (800) 833-7958

Geotech Environmental Equipment, Inc.
2650 East 40th Avenue • Denver, Colorado 80205
(303) 320-4764 • (800) 833-7958 • FAX (303) 322-7242
email: sales@geotechenv.com website: www.geotechenv.com

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SPECIFICATIONS

Size:	
Datalogging Unit	1 7/8" diameter, 11.5" length (fits inside 2" well). Stainless steel UV protected PVC vented for barometric pressure compensation.
Probe	5.7" length, .77" diameter
Material of Cable Covering	Marine grade polyurethane jacket, polyethylene vent tube, full foil shield. Outside Diameter: 3/16".
Cable Wiring	3 wire (input, output, ground)
Weight	1.6 lbs
Recording Interval	Programmable Linear fixed intervals from 1/second to once every 32,000 seconds (also 0-32,000 minutes, hours and days) and Logarithmic test (for pump and slug tests).
Sample Modes	High Speed (10 samples per second), Fixed Interval (programmable from 1 sec to >1 year), Logarithmic, Exception.
Memory	
Storage Capacity	Non-volatile flash memory. 81,759 time and date stamped data points including battery voltage.
Type of memory	Data Overwrite: Select memory wrap or unwrap (unwrap will stop logging data once memory is full)
Clock	Synchronizes to the time and date of user's computer.
Clock Accuracy	0.0025% or 1 minute in 1 month.
Clock Format	Month/Day/Year, Hour/Minute/Second
Power	Two Lithium 9 VDC batteries. Battery life up to 1 year (depending on recording intervals).
Input	Analog 0-4 VDC
Resolution	12 bit
Moisture Protection	Silicon coating (prevents damage to electronics from condensation).
Temperature	-40° to +185° F
Humidity	0 – 95% non-condensing
Linearity	0.1% Full Scale
Accuracy	0.1% Full Scale at constant temperature, 0.2% over 35° F to 70° F range. 0.25% Full Scale for temperature greater than 85° F.
Pressure Ranges	0-3', 0-15', 0-30', 0-60', 0-120', 250' and 0-500' are available.
Communication Port	
WL16S	RS-232 4-pin circular connector
WL16U	USB Type B
Selectable Baud Rates	9600, 19200, 28800, 38400, 57600, 115200
Software	Compatible with Microsoft's Windows 95, 98, ME, 2000, NT, and XP. Windows and Excel are trademarks of the Microsoft Corporation.
Software Features	Programmable record interval, scaling for engineering units, output in spreadsheet format, real-time monitoring.
Operating Temperature	-40° to 170° F (Datalogger)
Overpressure:	2 x full scale range
Burst Pressure:	10 x full scale range

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